ABSTRACT OF THE DISCLOSURE

Modem relay provides a local interface to the modem on both ends of a call, demodulates the full duplex data stream, packetizes the bits for transport over an IP network, and

5   remodulates the data stream at the remote end. It is advantageous to measure the throughput efficiency of the modem relay. The modem relay provides bandwidth savings, and resistance to network packet loss. However, the resistence is often accomplished by redundancy techniques which can reduce

10   effective throughput rates. Because the modem data stream can be transported in a redundant fashion, which allows for seamless error recovery in the event of single or double packet loss events, lost packet recovery minimizes computational requirements and provides for recovery of lost packets during burst loss of a

15   series of sequential packets. The present invention teaches a system and method for determining the throughput of various modem relay implementations. Design parameters can be manipulated to effectuate desired implementations within the operational characteristics of a packet network.